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La\*<sup>b</sup>\* VALUES AND W.I., Y.I. VALUES FOR EXPERIMENTS BY CHRISTOPHER A. BERTELLO

Tables and Figures Corresponding to Recent Experiments by Christopher A. Bertelo

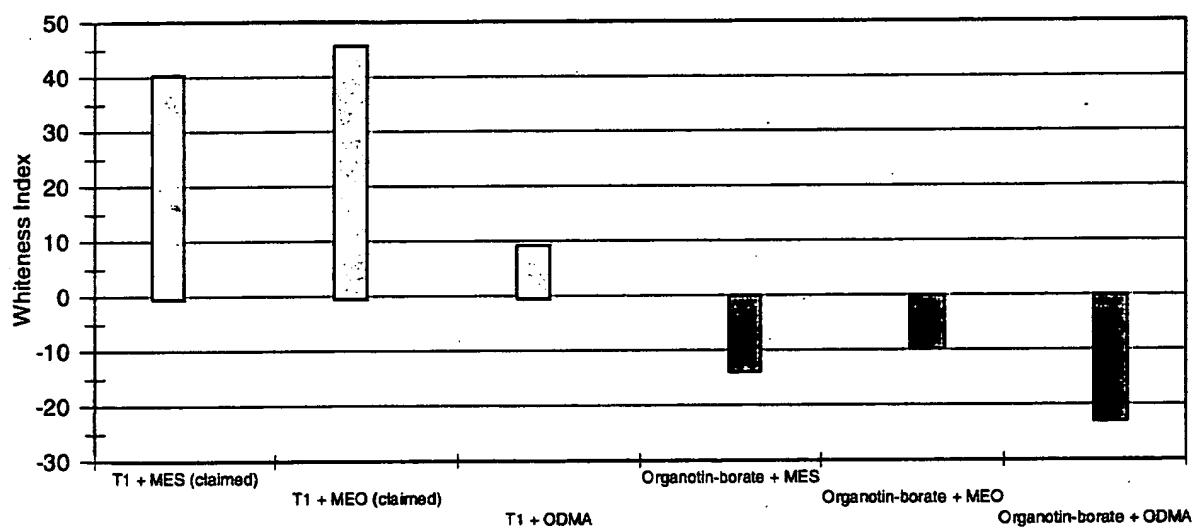
TABLE 1  
Whiteness Index Values for Stabilizer Combinations: T<sub>1</sub> and Organotin-borate

Sulfur Compounds	T <sub>1</sub> + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoproethyl stearate (MES)	<b>40.3*</b>	-13.7
2-mercaptoproethyl octanoate (MEO)	<b>45.7</b>	-9.5
octadecyl mercaptoacetate (ODMA)	9.2	-22.6

Note: The *higher* the number, the better the result.

\* Results in bold pertain to claimed combinations.

FIGURE 1  
Whiteness Index Values for Stabilizer Combinations: T<sub>1</sub> and Organotin-borate

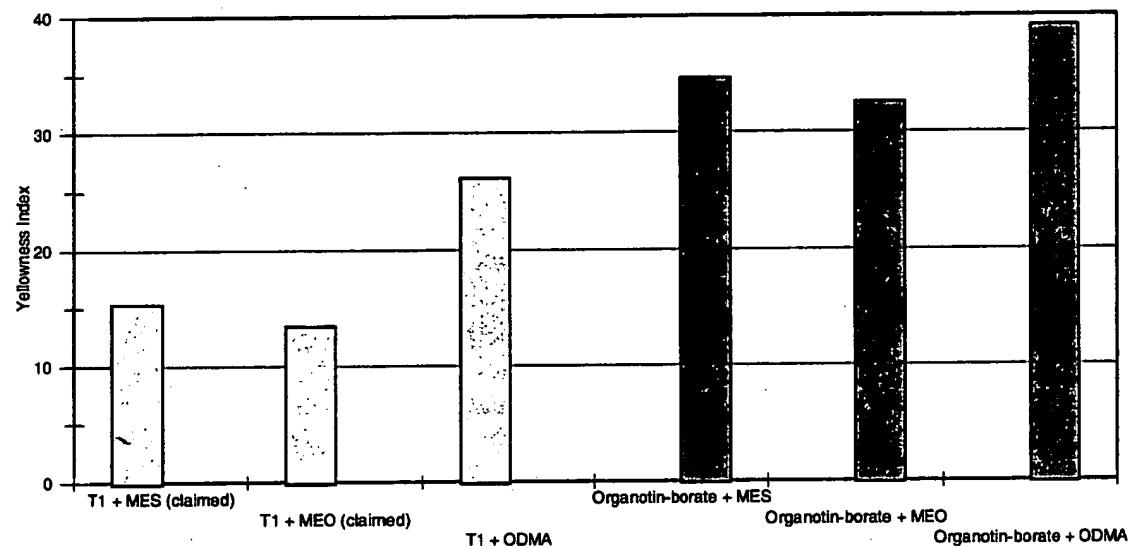


**TABLE 2**  
**Yellowness Index Values for Stabilizer Combinations: T<sub>1</sub> and Organotin-borate**

Sulfur Compounds	T <sub>1</sub> + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	<b>15.3</b>	34.7
2-mercaptoethyl octanoate (MEO)	<b>13.4</b>	32.6
octadecyl mercaptoacetate (ODMA)	26.1	39.1

Note: The *lower* the number, the better the result.

**FIGURE 2**  
**Yellowness Index Values for Stabilizer Combinations: T<sub>1</sub> and Organotin-borate**

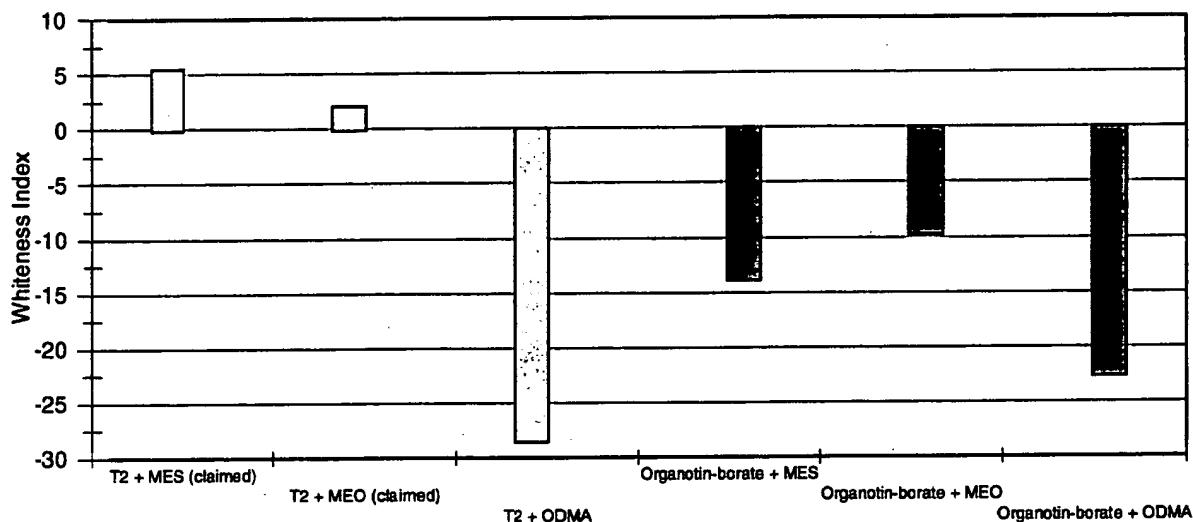


**TABLE 3**  
**Whiteness Index Values for Stabilizer Combinations: T<sub>2</sub> and Organotin-borate**

Sulfur Compounds	T <sub>2</sub> (½ tin content) + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	<b>5.5</b>	-13.7
2-mercaptoethyl octanoate (MEO)	<b>2.1</b>	-9.5
octadecyl mercaptoacetate (ODMA)	-28.4	-22.6

Note: The *higher* the number, the better the result.

**FIGURE 3**  
**Whiteness Index Values for Stabilizer Combinations: T<sub>2</sub> and Organotin-borate**

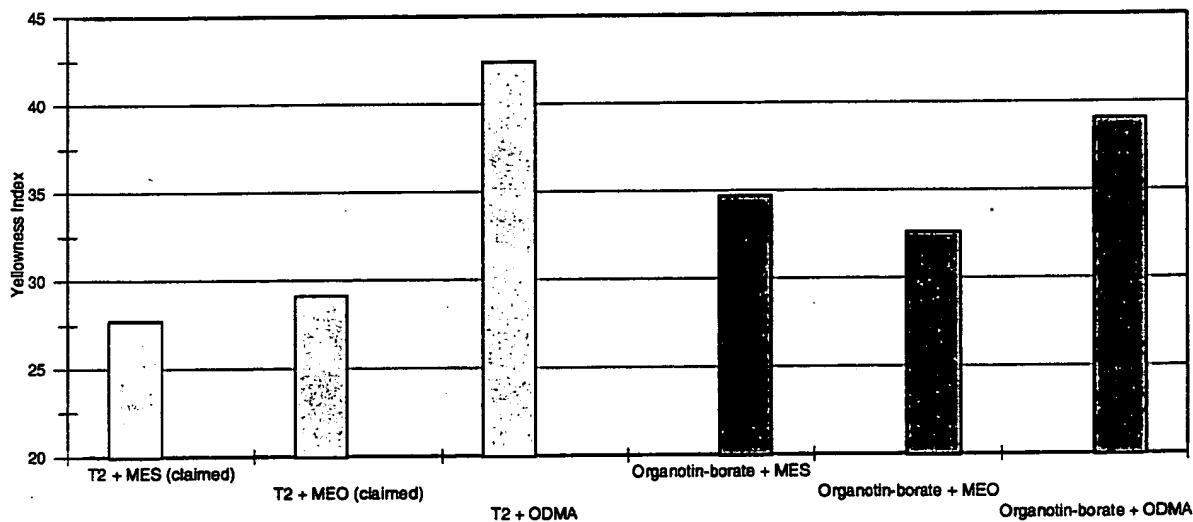


**TABLE 4**  
**Yellowness Index Values for Stabilizer Combinations: T<sub>2</sub> and Organotin-borate**

Sulfur Compounds	T <sub>2</sub> (½ tin content) + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptopropyl stearate (MES)	<b>27.7</b>	34.7
2-mercaptopropyl octanoate (MEO)	<b>29.1</b>	32.6
octadecyl mercaptoacetate (ODMA)	42.4	39.1

Note: The *lower* the number, the better the result.

**FIGURE 4**  
**Yellowness Index Values for Stabilizer Combinations: T<sub>2</sub> and Organotin-borate**

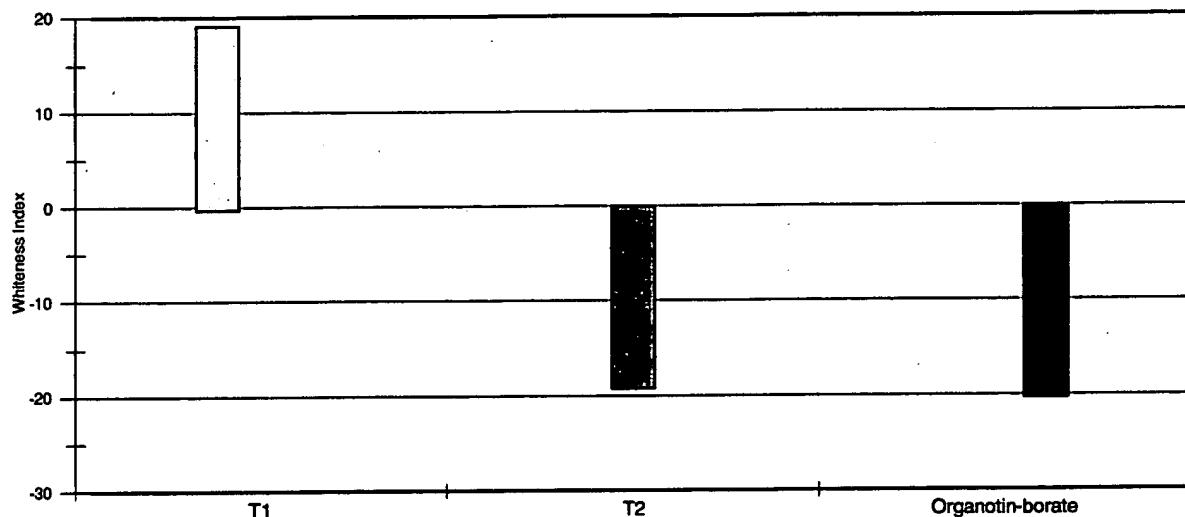


**TABLE 5**  
**Whiteness Index Values for Stabilizer Control Experiments**

Controls	T <sub>1</sub>	T <sub>2</sub> (½ tin content)	Organotin-borate
Whiteness Index	19.1	-18.9	-20.1

Note: The *higher* the number, the better the result.

**FIGURE 5**  
**Whiteness Index Values for Stabilizer Control Experiments**

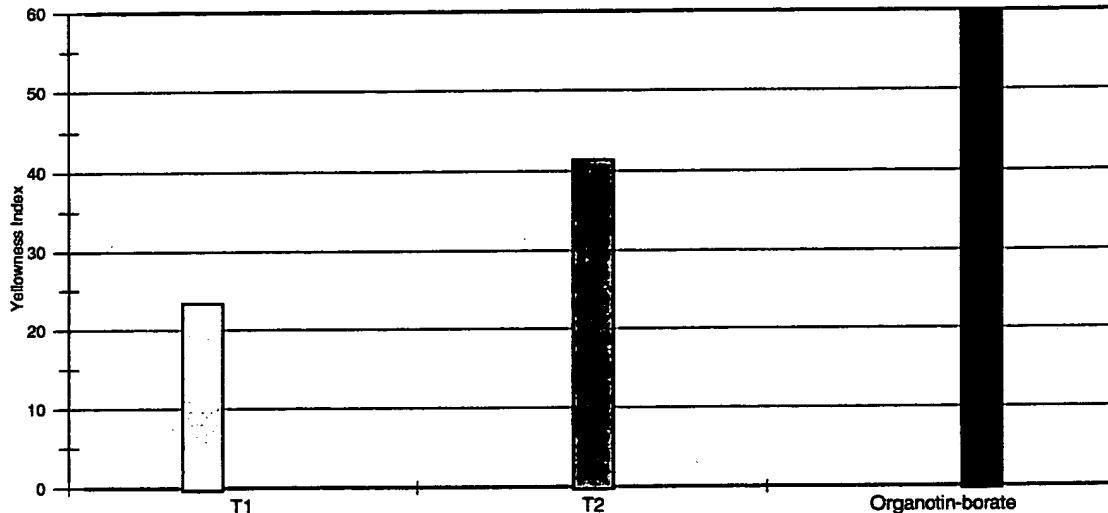


**TABLE 6**  
**Yellowness Index Values for Stabilizer Control Experiments**

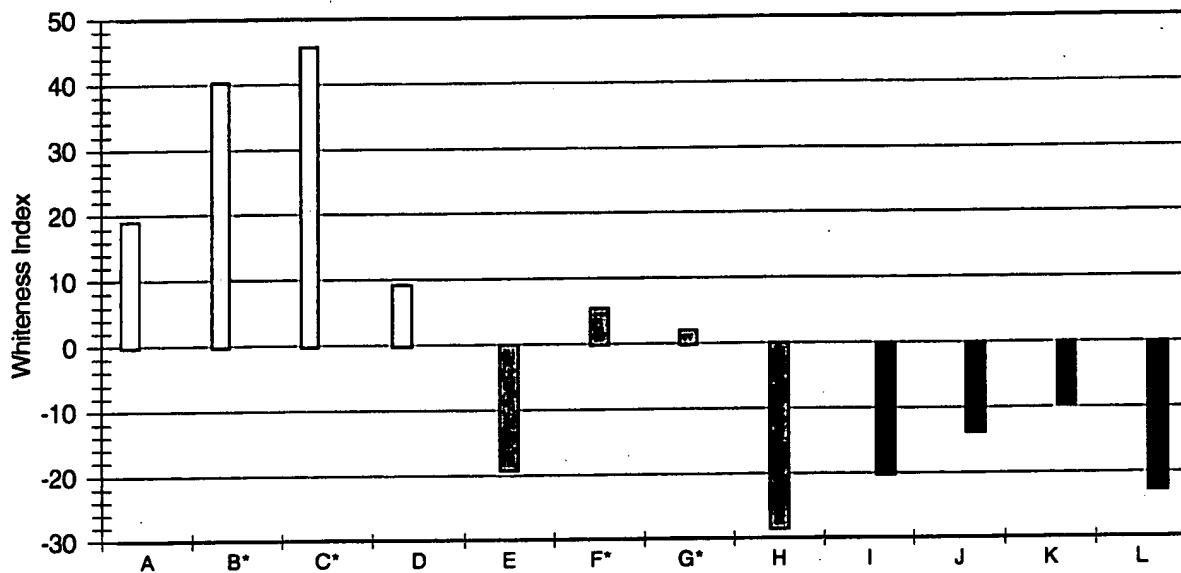
Controls	T <sub>1</sub>	T <sub>2</sub> (½ tin content)	Organotin-borate
Yellowness Index	23.4	41.4	59.9

Note: The *lower* the number, the better the result.

**FIGURE 6**  
**Yellowness Index Values for Stabilizer Control Experiments**



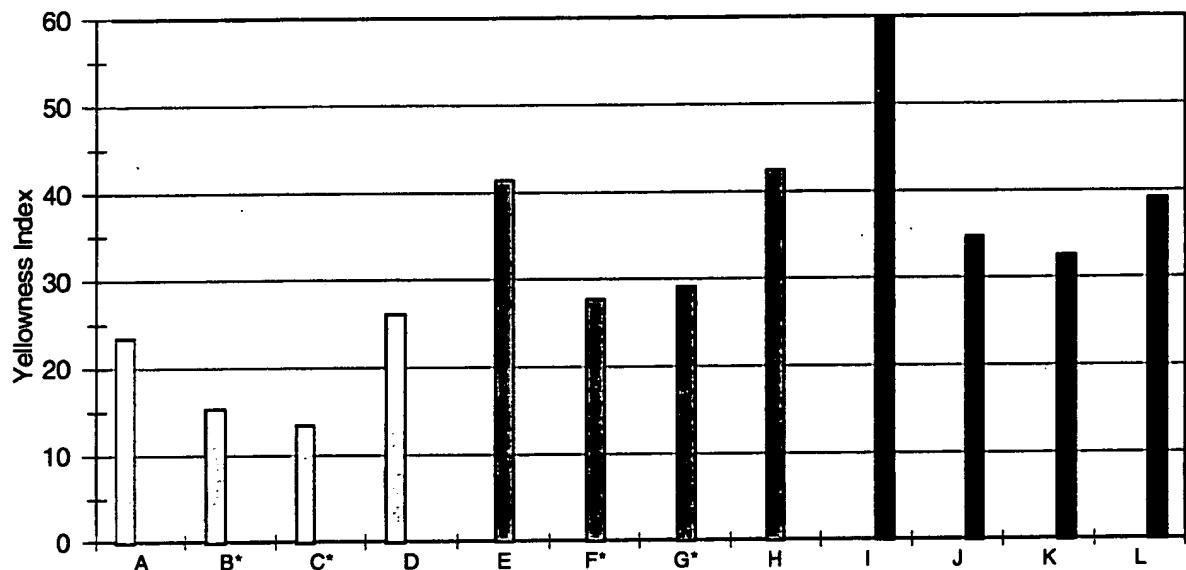
**FIGURE 7**  
**Whiteness Index Values for Stabilizer Combinations and Tin Control Stabilizers**



A	$T_1$	E	$T_2$	I	organotin-borate
B*	$T_1 + MES$	F*	$T_2 + MES$	J	organotin-borate + MES
C*	$T_1 + MEO$	G*	$T_2 + MEO$	K	organotin-borate + MEO
D	$T_1 + ODMA$	H	$T_2 + ODMA$	L	organotin-borate + ODMA

Note: an asterisk (\*) indicates combinations within the scope of the claims.

**FIGURE 8**  
**Yellowness Index Values for Stabilizer Combinations and Tin Control Stabilizers**



A	T <sub>1</sub>	E	T <sub>2</sub>	I	organotin-borate
B*	T <sub>1</sub> + MES	F*	T <sub>2</sub> + MES	J	organotin-borate + MES
C*	T <sub>1</sub> + MEO	G*	T <sub>2</sub> + MEO	K	organotin-borate + MEO
D	T <sub>1</sub> + ODMA	H	T <sub>2</sub> + ODMA	L	organotin-borate + ODMA

Note: an asterisk (\*) indicates combinations within the scope of the claims.